

KSAPC Statements	
<i>Knowledge of:</i>	
K1.	Basic knowledge of building construction to ensure that projects are constructed in accordance with project scope, schedule, budget, all laws, applicable codes and regulations.
K2.	Basic knowledge of building details to ensure projects are designed in accordance with project scope, schedule, budget, all laws, applicable codes and regulations.
K3.	Basic knowledge of building materials to ensure project materials are in accordance with project scope, schedule, budget, all laws, applicable codes and regulations.
K4.	Basic knowledge of the operation of facilities to ensure that facilities are operated in the most efficient manner possible.
K5.	Basic knowledge of maintenance of facilities to ensure that facilities are maintained to an acceptable level of service.
K6.	Basic knowledge of the maintenance cost of buildings to ensure that institutional maintenance budgets are expended in the most cost effective manner.
K7.	Basic knowledge of the maintenance cost of equipment to ensure that equipment is maintained to an acceptable level of service.
K8.	Basic knowledge of heating systems to ensure proper selection, application, and maintenance.
K9.	Basic knowledge of ventilating systems to ensure proper selection, application, and maintenance.
K10.	Basic knowledge of refrigeration systems to ensure proper selection, application, and maintenance.
K11.	Basic knowledge of water treatment plants to ensure proper selection, application, and maintenance.
K12.	Basic knowledge of sewage treatment plants to ensure proper selection, application, and maintenance.
K13.	Basic knowledge of engineering mathematics as applied to mechanical and electrical equipment to adequately review and comment on equipment selection and application.
K14.	Basic knowledge of building construction costs in order to develop project estimates, establish adequate project budgets, and monitor project expenses.
K15.	Basic knowledge of various building trades to ensure correct trade resources are applied to each project.
K16.	Basic knowledge of various building codes, rules, and regulations to ensure projects are planned, designed, and constructed in accordance with all applicable codes.
K17.	Basic knowledge of the principles of budgeting as related to special repairs, major and minor capital outlay process in order to deliver projects within the Department's budget.
K18.	Basic knowledge of the use and application of technology to facilitate the delivery of the Department's special repair, major and minor capital outlay, preventative maintenance programs, and non-scheduled maintenance projects.

KSAPCs highlighted in bold text are not currently on the SPB classification specification

KSAPC Statements

Knowledge of:

K19.	Basic knowledge of practices and principles of project management to successfully deliver the Department's special repair, major and minor capital outlay, preventative maintenance programs, and non-scheduled maintenance projects.
------	--

KSAPC Statements	
<i>Ability to:</i>	
A1.	Conduct field inspections of construction and maintenance operations to ensure compliance with project scope and provide appropriate direction.
A2.	Analyze repair, maintenance and construction problems including cost and budgetary estimates to develop and adopt an effective course of action.
A3.	Communicate effectively (e.g., verbal, written, graphical, etc.) with different audiences to provide information/ideas and establish and maintain cooperative relations.
A4.	Prepare written documents to provide clear and concise information/ideas to different audiences.
A5.	Effectively contribute to the Department's EEO program objectives to create and maintain a fair and equitable work environment.
A6.	Review and analyze design documents to ensure production of quality construction documents.
A7.	Effectively establish and attain goals to accomplish the Department's mission and goals.
A8.	Operate computer hardware and software (e.g., Word, Excel, etc.) in order to perform daily duties.
A9.	Establish and maintain cooperative and professional relationships with colleagues, consultant contractors, construction contractors, and representatives of governmental agencies, facility personnel and private sector to meet the Department's goals and objectives.
A10.	Adhere to policy and procedures in order to ensure consistency and conformity with Departmental goals and objectives.
A11.	Establish and maintain project priorities in order to complete projects and assignments within scope, schedule, and budget.
A12.	Function as a team leader for California Department of Corrections and Rehabilitation (CDCR) employees, construction and consultant contractors to ensure successful completion of projects.
A13.	Analyze complex projects accurately in order to plan and implement an effective project management plan.
A14.	Understand and follow direction to accurately carry out work assignments in a timely manner.

KSAPC Statements	
<i>Personal Characteristics:</i>	
PC1.	Tact
PC2.	Professionalism

KSAPCs highlighted in bold text are not currently on the SPB classification specification